

Fig. 1.

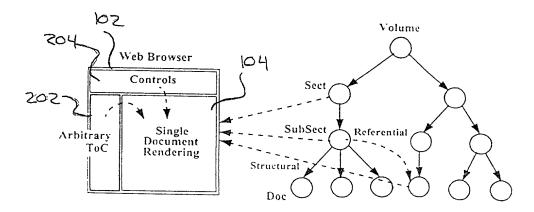


Fig. 2.

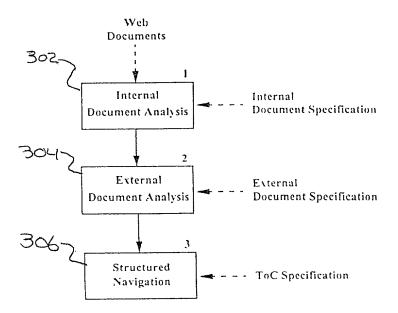


Fig. 3.

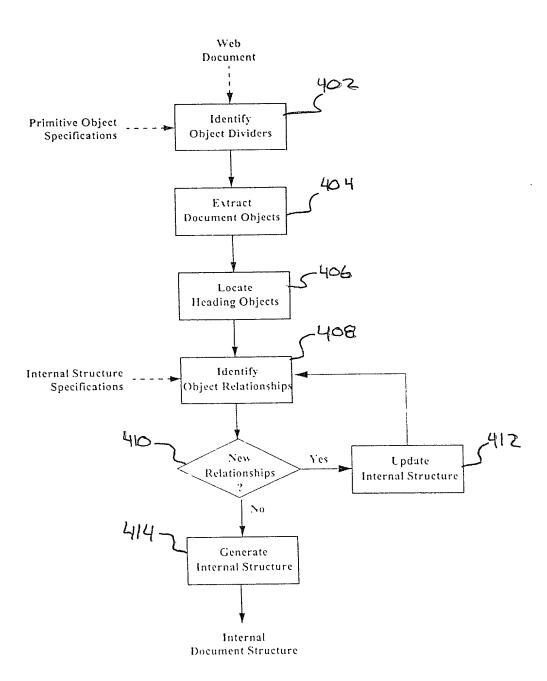


Fig. 4.

```
Dividers
ObjectDivider ::= <HorizontalLine> | <MajorVerticalSpacing> | ...
      Heading Marks
HeadingMark ::= SectIdSpec | AnyMark | ...
TableMark ::= "Table" TableIdSpec | ...
FigureMark ..= "Figure" FigureIdSpec | ...
FootNoteListMark ::= "Refer to" | ...
FootNoteMark := AnyMark | <Number> | ...
SectidSpec ::= Anyld AnyldSeparator Anyld AnyldSeparator ...
TableIdSpec := AnyId AnyIdSeparator AnyId AnyIdSeparator ...
FigldSpec . = Anyld AnyldSeparator Anyld AnyldSeparator . . .
AnvId ::= \langle Digit \rangle + | \langle Letter \rangle + | \dots
AnyIdSeparator ::= <Dot> | <Dash> | ...
AnyMark := <Bullet> | <Dash> | <Asterisk> | <Square> | ...
       Text Properties
 FontSpec := <FontType> <FontWeight> <FontSize>
 PosSpec ::= FirstIndent LeftIndent JustiySpec
 FirstIndent '= <X-Coord> <Y-Coord>
 LeftIndent := <X-Coord> <Y-Coord>
 JustifySpec = <LeftJustifty> <RightJustify> <CenterJustify>
       Special Objects
 AlignedObjectBlock := <SingleAlignedBlock> | <DoubleAlignedBlock> | ...
 TableObject .= <Table>
 GfxObject = <Graphics>
```

Fig. 5. Specification of Primitive Document Objects

```
Top-Level Internal Structure
DocStruct ::= DocHeader DocBody DocFooter
DocHeader ::= AlignedObjectBlock <ObjectDivider>
DocFooter ::= <ObjectDivider> AlignedObjectBlock
DocBody ::= DocBlock DocBlock ... FootNoteList
DocBlock :.= HeadingObject NonHeadingObject NonHeadingObject . . .
FootNoteList ::= FootNoteListTitle FootNote FootNote . .
      Heading Objects
HeadingObject := RegularHeading | TableTitle | FigureTitle | FootNoteListTitle
RegulearHeading ::= HeadingMark HeadingText HeadingMark
HeadingText := FontSpec
TableTitle ::= TableMark FontSpec
FigureTitle ::= FigureMark FontSpec
FootNoteListTitle ::= FootNoteListMark FontSpec
      NonHeading Objects
NonHeadingObject ::= ParaObject | ListObject | TableObject | GfxObject
FootNote ::= FootNoteMark FontSpec
ListObject ::= ListItem ListItem ...
ListItem :.= Mark Member Member
Member ::= ParaObject
ParaObject := FontSpec PosSpec
```

Fig. 6. Specification of Internal Document Structures

```
# External Structure

ExternalStruct ::= OverviewDoc Section Section ...

OverviewDoc ::= SimpleDocStruct

Section ::= DocStruct Section2 Section2 ...

Section2 ::= DocStruct2 Section3 Section3 ...

# External View of Documents

SimpleDocStruct ::= <DocContent>
DocStruct ::= SectHeading <DocContent>

SectIfeading ::= AnyId

DocStruct2 ::= SectHeading2 <DocContent>
SectHeading2 ::= SectHeading AnyIdSeparator AnyId
```

Fig. 7. External Document Structure

```
# ToC Structure

<ToCDoc> ::= <DocTitle> <InternalToC> <SectEntry> <SectEntry> ...

<SectEntry> ::= <SectTitle> <InternalToC> <SectEntry2> <SectEntry2> ...

<SectEntry2> ::= <SectTitle2> <InternalToC> <SectEntry3> <SectEntry3> ...

# Internal ToC Structure

<InternalToC> ::= <InternalToCEntry> <InternalToCEntry> ...

<InternalToCEntry> ::= <RegularHeading>

<InternalToCEntry> ::= <FigureTitle>

<InternalToCEntry> ::= <TableTitle>
```

Fig. 8. ToC Specification

